



Atty. Dkt. No. 025098-0701

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

BAIRD et al.

Title:

DESIGN, SYNTHESIS AND USE

OF SPECIFIC POLYAMIDE **DNA-BINDING LIGANDS**

Appl. No.:

09/372,474

Filing Date:

08/11/1999

Examiner:

A. Marschel

Art Unit:

1631

CERTIFICATE OF MAILING I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450, on the date below.

(Date of Deposit)

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.56

Commissioner for Patents PO Box 1450 Alexandria, Virginia 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a prima facie art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

STATEMENT

The undersigned hereby states in accordance with 37 CFR §1.97(e)(1) that each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to filing of this Statement.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872.

Respectfully submitted,

Date April 6, 2004

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Бу ______

Richard San Pietro Attorney for Applicant Registration No. 45,071

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& TRÁD	Substitute for for	m 1449B	/PTO	*	Complete if Known		
	INFORMATION	DISCLO	SURE	Application Number	09/372,474		
	STATEMENT B	Y APPLI	CANT	Filing Date	08/11/1999		
				First Named Inventor	Eldon E. Baird		
				Group Art Unit	1631		
	(use as many shee	ets as ne	cessary)	Examiner Name	A. Marschel		
Sheet	1	of	2	Attorney Docket Number	025098-0701		

,				U.S. PATENT DOCUMENTS)	
Examiner Initials*	0:4-	U.S. Patent Document			Date of Publication of	Pages, Columns, Lines,
	Cite No. ¹	Number	· Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear

				FC	DREIGN PATENT DOCUMENT	TS		
Examiner Initials*	Cite No. ¹	Fo Office ³	reign Patent Do Number ⁴	ocument Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	A1	WO	96/05196 A		Pharmacia S.P.A.			
•	A2	WO	97/30975		California Institute of Technology			
	A3	wo	98/35702		California Institute of Technology			
	A4	WO	98/37066		California Institute of Technology			
	A5	WO	98/37087		California Institute of Technology			
	A6	wo	98/45284		California Institute of Technology			
	A7	WO	98/50582		California Institute of Technology			

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title or item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue numb publisher, city and/or country where published.		T ⁶			
	A8	Baird et al. (1996) "Solid Phase Synthesis of Polyamides Containing Imidazole and Pyrrole Amino Acids." JACS 118: 6141-6146.				
	A9	Parks et al. (1996) "Optimization of the Hairpin Polyamide Design for Recognition of the Minor Groove of DNA." JACS 118: 6147-6152.				

Examiner Signature	Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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WY & TRAU Substitute for form 1449B/PTO Complete if Known INFORMATION DISCLOSURE **Application Number** 09/372,474 STATEMENT BY APPLICANT 08/11/1999 **Filing Date First Named Inventor** Eldon E. Baird Group Art Unit 1631 (use as many sheets as necessary) **Examiner Name** A. Marschel Sheet 2 2 Attorney Docket Number 025098-0701

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A10	Parks et al. (1996) "Recognition of 5'-(A,T)GG(A,T) ₂ -3' Sequences in the Minor Groove of DNA by Hairpin Polyamides." JACS 118: 6153-6159.	
	A11	Swalley et al. (1996) "Recognition of 5'-(A,T)GGG(A,T) ₂ -3' Sequences in the Minor Groove of DNA by an Eight-Ring Hairpin Polyamide" JACS 118: 8198-8206.	
	A12	Swalley et al. (1997) "Discrimination of 5'-GGGG-3', 5'-GCGC-3', and 5'-GGCC-3' Sequences in the Minor Groove of DNA by Eight-Ring Hairpin Polyamides." JACS 119: 6953-6961.	
•	A13	Trauger et al. (1996) "Recognition of DNA by designed ligands at subnanomolar concentrations." Nature 382: 559-561.	<u> </u>
	A14	Walker et al. (1997) "Estimation of the DNA sequence discriminatory ability of hairpin-linked lexitropsins." PNAS, USA 94:5634-5639.	
	A15	White et al. (1998) "Recognition of the four Watson-Crick base pairs in the DNA minor groove by synthetic ligands." Nature 391: 468-471.	
	A16	Communication Pursuant to Article 96(2) EPC dated February 26, 2004.	
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Examiner Signature	Date Considered	
Signature	Considered	

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